

B.4 Environmental Assessment

MICHIGAN DISPOSAL WASTE TREATMENT PLANT (MDWTP)

MID 000 724 831

2016 PERMIT APPLICATION

**FORM EQP 5111 ATTACHMENT TEMPLATE B4
ENVIRONMENTAL ASSESSMENT**

This document is an attachment to the Michigan Department of Environmental Quality's (DEQ) *Instructions for Completing Form EQP 5111, Operating License Application Form for Hazardous Waste Treatment, Storage, and Disposal Facilities*. See Form EQP 5111 for details on how to use this attachment.

The administrative rules promulgated pursuant to Part 111, Hazardous Waste Management, of Michigan's Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451) §324.11118(3) and R 299.9504(1)(e) and R 299.9504(1)(b) establish requirements for conducting environmental assessments at hazardous waste management facilities. Before receiving an operating license, owners and operators of hazardous waste treatment, storage, or disposal facilities must evaluate the (proposed) facility's impact on air, water, or other natural resources of the state. The evaluation must also include a failure mode assessment. All references to 40 CFR citations specified herein are adopted by reference in R 299.11003.

This license application template addresses requirements for an environmental assessment for hazardous waste management units at the Michigan Disposal Waste Treatment Plant (MDWTP) facility.

INTRODUCTION

This environmental assessment for Michigan Disposal Waste Treatment Plant (MDWTP) describes current conditions, environmental impacts, and applicable exposure information for landfills and surface impoundments. The goals of the environmental assessment are to describe and discuss (1) the probable impact of the facility on natural resources, human life, and all environmental elements that affect these values; (2) probable unavoidable adverse effects of the facility; (3) alternatives for accomplishing the same objective; and (4) possible modifications that would minimize adverse effects.

An environmental assessment was approved as part of previous operating license applications for MDWTP and Wayne Disposal Inc. (WDI). The previous report, titled *Environmental Assessment, Solidification of Sludge Wastes, Van Buren Township, Wayne County, Michigan*, was originally prepared by Environmental Research Group, Inc. (ERG), and revised in December of 2004 (Revision #4). Wayne Disposal, Inc.'s (WDI) 2012 permit application's environmental assessment titled *Environmental Assessment Report, Wayne Disposal, Inc., Site No.2 Master Cell VI – F & G*, was prepared by NTH and described current environmental conditions and potential impacts of the development of the landfill expansion. Regional environmental conditions and most internal features of the WDI Site No. 2 facility have not changed materially since the previous environmental assessment report was prepared, with the exception of the changes reflected in the 2012 WDI environmental assessment.